

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1-29. (Cancelled).

1/ ~~30~~. (Previously Presented) A mutant antibody that comprises a mutant immunoglobulin chain, the mutant antibody having higher affinity for an antigen than a parent antibody that comprises a parent immunoglobulin chain, wherein the mutant immunoglobulin chain comprises an amino acid substitution that eliminates a variable region glycosylation site of the parent immunoglobulin chain, said elimination having the effect of increasing the affinity of the mutant antibody relative to the parent antibody.

2/ ~~31~~. (Previously Presented) The mutant antibody of claim ~~30~~, wherein the glycosylation site is an N-linked glycosylation site selected from the group consisting of:

- (1) -Asn-X-Ser-; and
- (2) -Asn-X-Thr-;

wherein X is an amino acid other than Pro.

3/ ~~32~~. (Previously Presented) The mutant antibody of claim ~~30~~, wherein the glycosylation site is an O-linked glycosylation site selected from the group consisting of:

- (1) -Thr-X-X-Pro-; and
- (2) —Ser-X-X-Pro-;

wherein X is an amino acid.

4/ ~~33~~. (Previously Presented) The mutant antibody of claim ~~30~~, wherein the mutant antibody is a humanized version of the parent antibody.

5/ ~~34~~. (Previously Presented) The mutant antibody of claim ~~30~~, whose variable region has no glycosylation sites.

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~~6~~ ~~35~~. (Previously Presented) The mutant antibody of claim ~~30~~<sup>1</sup>, whose variable region has no N-linked glycosylation sites.

~~7~~ ~~36~~. (Previously Presented) The mutant antibody of claim ~~30~~<sup>1</sup>, wherein the parent antibody is murine M195 antibody.

~~8~~ ~~37~~. (Previously Presented) The mutant antibody of claim ~~30~~<sup>1</sup>, wherein the mutant antibody is a humanized M195 antibody.

~~9~~ ~~38~~. (Previously Presented) The mutant antibody of claim ~~30~~<sup>1</sup>, wherein the antigen is a cell surface glycoprotein.

~~10~~ ~~39~~. (Previously Presented) The mutant antibody of claim ~~30~~<sup>1</sup>, wherein the mutant immunoglobulin chain is an immunoglobulin heavy chain.

~~11~~ ~~40~~. (Previously Presented) The mutant antibody of claim ~~30~~<sup>1</sup>, wherein the amino acid substitution is a conservative amino acid substitution.

~~12~~ ~~41~~. (Previously Presented) The mutant antibody of claim ~~31~~<sup>2</sup>, wherein the mutant immunoglobulin chain is an immunoglobulin heavy chain.

~~13~~ ~~42~~. (Previously Presented) The mutant antibody of claim ~~31~~<sup>2</sup>, wherein the amino acid substitution is a conservative amino acid substitution.

~~14~~ ~~43~~. (Previously Presented) The mutant antibody of claim ~~32~~<sup>3</sup>, wherein the mutant immunoglobulin chain is an immunoglobulin heavy chain.

~~15~~ ~~44~~. (Previously Presented) The mutant antibody of claim ~~32~~<sup>3</sup>, wherein the amino acid substitution is a conservative amino acid substitution.

~~16~~ ~~45~~. (Previously Presented) The mutant antibody of claim 38, wherein the cell surface glycoprotein is the CD33 antigen.

~~17~~<sup>1</sup>~~46~~ (new) The mutant antibody of claim ~~30~~<sup>1</sup>, wherein the mutation is in a complementary determining region of the parent immunoglobulin chain and the parent antibody binds an epitope of the antigen consisting of polypeptide.

~~18~~<sup>47</sup> (new) A method for producing a mutant antibody having higher affinity for an antigen relative to a parent antibody, the method comprising

introducing a mutation into a polynucleotide sequence encoding a chain of the parent antibody, whereby the polynucleotide encodes a mutant immunoglobulin chain comprising an amino acid substitution that eliminates a variable region glycosylation site of the parent immunoglobulin chain,

expressing said mutant sequence in a cell; and

determining that said elimination has the effect of increasing the affinity of the mutant antibody relative to the parent antibody.

~~19~~<sup>18</sup>~~48~~ (new) The method of claim ~~47~~<sup>18</sup>, wherein the amino acid substitution is a conservative amino acid substitution.

~~20~~<sup>18</sup>~~49~~ (new) The method of claim ~~47~~<sup>18</sup>, wherein the mutation is in a complementary determining region of the parent immunoglobulin chain and the parent antibody binds an epitope of the antigen consisting of polypeptide.